

CLASSIFICATION
CENTRAL INTELLIGENCE AGENCY
INFORMATION REPORT

35

25X1A

COUNTRY USSR/Korea

DATE DISTR. 3 Apr 1951

SUBJECT Analysis of Soviet Airplane Rubber Gaskets

NO. OF PAGES 1

PLACE ACQUIRED [REDACTED]

25X1A

NO. OF ENCLS.
(LISTED BELOW)

DATE ACQUIRED [REDACTED]

SUPPLEMENT TO
REPORT NO.

DATE OF [REDACTED]

25X1X

1. The rubber gaskets may be described as follows:
2. X-ray diffraction analysis could not be made because of the short elongation but a flame analysis with a copper wire and insolubility in ortho dichlorobenzene indicates the elastomer of all three to be Neoprene. [REDACTED] Note 25X1As would be Sovprene
 - a. "O-ring" - A round section rubber gasket of approximately 12 inches diameter.
 - b. "square ring" - A square cross-section rubber gasket of approximately 6 inches diameter.
 - c. "D-ring" - A round section rubber gasket of approximately 2 inches diameter.

3. Results of other tests are:

Sample	Elongation %	Tensile (#/in ²)	Ash Content
O-ring	160	2020	23.4
Square-ring	185	1740	8.1
D-ring	400	1360	11.1

4. The products have something less than standard physical properties. Tensile strength in our products would be about 3000#. But the gaskets could be expected to render reasonable service.

-end-

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